

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(d))			Docket No. SIM0075-01	
In Re Application Of: Robert Z. Stodlika et al.				
Serial No. 09/744,663	Filing Date March 23, 2001	Examiner Shun K. Lee	Group Art Unit 2878	
<p>Title:</p> <p>APPLICATION OF SCATTER AND ATTENUATION CORRECTION TO EMISSION TOMOGRAPHY IMAGES USING INFERRED ANATOMY FROM ATLAS</p>				
<p style="text-align: center;">Address to Commissioner for Patents</p> <p>The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), and on or before payment of the issue fee, and is accompanied by the Statement as specified in 37 CFR 1.97(e) and the fee set forth in 37 CFR 1.17(p).</p> <p><input checked="" type="checkbox"/> A check in the amount of \$180.00 is attached.</p> <p><input type="checkbox"/> Charge Deposit Account No. _____ in the amount of _____</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Certificate of Transmission by Facsimile*</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F</p> <p>(Date) _____</p> <p style="text-align: center;">Signature _____</p> <p style="text-align: center;">Typed or Printed Name of Person Signing Certificate _____</p> </div> </div> <div style="width: 45%;"> <p style="text-align: center;">Certificate of Mailing by First Class Mail</p> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p>I certify that this document and fee is being deposited with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p> <p style="text-align: center;">Signature of Person Mailing Correspondence _____</p> <p style="text-align: center;">John F. Hoffman</p> <p style="text-align: center;">Typed or Printed Name of Person Mailing Certificate _____</p> </div> </div> </div> <p>*This certificate may only be used if paying by deposit account.</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> <p style="text-align: center;">Signature _____</p> <p>John F. Hoffman, Regis. No. 26,280 BAKER & DANIELS 111 East Wayne Street, Suite 800 Fort Wayne, Indiana 46802</p> <p>TX: (260) 424-8000 FAX: (260) 460-1700</p> </div> <div style="width: 45%;"> <p>Dated: November 21, 2003</p> </div> </div>				

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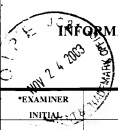
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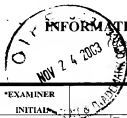
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
EXAMINER INITIAL	<p>V.Y. Panin, G.L. Zeng, G.T. Gullberg, "Registration Problem in Attenuation Map Estimation Using Only Emission Data With Data Consistency Conditions", (1999), The Journal of Nuclear Medicine, Vol. 40, No. 5, pp. 294P.</p> <p>Charles A. Pelizzari, George T.Y. Chen, Danny R. Spelbring, Ralph R. Weichselbaum, Chin-Tu Chen, "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain", (1989), Journal of Computer Assisted Tomography, Vol. 13, No. 1, pp. 20-26.</p> <p>James C. Patterson, Terrence S. Early, Andy Martin, Melanie Z. Walker, James M. Russell, Xavier Villanueva-Meyer, "SPECT Image Analysis Using Statistical Parametric Mapping: Comparison of Technetium-99m-HMPAO and Technetium-99m-ECD", The Journal of Nuclear Medicine, Vol. 38, No. 11, pp. 1721-1725.</p> <p>Robert L. Phillips, Eythe D. London, Jonathan M. Links, Nicola G. Cascella, "Program for PET Image Alignment: Effects on Calculated Differences in Cerebral Metabolic Rates for Glucose", (1990), The Journal of Nuclear Medicine, Vol. 31, No. 12, pp. 2052-2057.</p> <p>Uwe Pietrzyk, Karl Herholz, Gereon Fink, Andreas Jacobs, Rudiger Mielke, Ina Slansky, Michael Wurker, Wolf-Dieter Heiss, "An Interactive Technique for Three-Dimensional Image Registration: Validation for PET, SPECT, MRI and CT Brain Studies", (1994), The Journal of Nuclear Medicine, Vol. 35, No. 12, pp. 2011-2018.</p> <p>M.S. Rosenthal, J. Cullom, W. Hawkins, S.C. Moore, B.M.W. Tsui, M. Yester, "Quantitative SPECT Imaging: A Review and Recommendations by the Focus Committee of the Society of Nuclear Medicine Computer and Instrumentation Council", (1995), The Journal of Nuclear Medicine, Vol. 36, No. 8, pp. 1489-1513.</p> <p>John P. Seibyl, Scott W. Woods, Sami S. Zoghbi, Ronald M. Baldwin, Holley M. Dey, Andrew W. Goddard, Yolanda Zea-Ponce, George Zubal, Mark Germaine, Eileen O. Smith, George R. Heninger, Dennis S. Charney, Hank F. Kung, Abbas, Alavi, Paul B. Hoffer and Robert B. Innis, "Dynamic SPECT Imaging of Dopamine D2 Receptors in Human Subjects with Iodine-123-IBZM", (1992), The Journal of Nuclear Medicine, Vol. 33, No. 11, pp. 1964-1971.</p> <p>L.A. Shepp, Y. Vardi, "Maximum Likelihood Reconstruction for Emission Tomography", (1982), IEEE Transactions on Medical Imaging, Vol. MI-1, No. 2, pp. 113-122.</p> <p>Piotr J. Slomka, Gilbert A. Hurwitz, Janice Stephenson, Trevor Craddock, "Automated Alignment and Sizing of Myocardial Stress and Rest Scans to Three-Dimensional Normal Templates Using an Image Registration Algorithm", (1995), The Journal of Nuclear Medicine, Vol. 36, No. 6, pp. 1115-1122.</p> <p>Robert Z. Stodilka, Brad J. Kemp, Frank S. Prato, Richard L. Nicholson, "Importance of Bone Attenuation in Brain SPECT Quantification", (1998), The Journal of Nuclear Medicine, Vol. 39, No. 1, pp. 190-197.</p> <p>Robert Z. Stodilka, Brad J. Kemp, Peter Msaki, Frank S. Prato, Richard L. Nicholson, "The Relative Contributions of Scatter and Attenuation Corrections Toward Improved Brain SPECT Quantification", (1998), Phys. Med. Biol., Vol. 43, pp. 2991-3008.</p> <p>Rik Stokking, Johannes W. van Iselt, Peter P. van Rijk, John M.M. de Klerk, Antoon W.L.C. Huiskes, Ilse J.R. Mertens, Erik Buskens, Max A. Viergever, "Integrated Visualization of Functional and Anatomic Brain Data: A Validation Study", (1999), The Journal of Nuclear Medicine, Vol. 40, No. 2, pp. 311-316.</p>		
EXAMINER	DATE CONSIDERED		

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

